

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-18 (canceled)

1 Claim 19 (currently amended): An ultrasonic diagnostic
2 apparatus moving an ultrasonic transducer within a body
3 cavity of a body to be examined and creating plural
4 chronological tomographic images in accordance with the
5 movement, the apparatus comprising:

6 position information detecting means for detecting
7 position information of the ultrasonic transducer when
8 the tomographic images are obtained;

9 auxiliary image creating means for creating an
10 auxiliary image indicating position information of the
11 tomographic images along a non-linear path of the
12 movement of the ultrasonic transducer based on position
13 information obtained by the position information
14 detecting means and the tomographic images corresponding
15 to the position information; and

16 display control means for displaying the auxiliary
17 image and a tomographic image corresponding to the
18 auxiliary image so as to compare them,

19 wherein the auxiliary image creating means creates
20 the auxiliary image including a plurality of
21 two-dimensional anisotropic ultrasonic image markers
22 arranged along the movement path of the ultrasonic
23 transducer, each of the markers expressing a position and
24 direction of a scan plane of the ultrasonic transducer
25 when the tomographic image is obtained, and

26 wherein the auxiliary image creating means further
27 makes a display form of the ultrasonic image marker
28 corresponding to the tomographic image displayed for
29 comparison among the plural ultrasonic image markers
30 different from a display form of the other ultrasonic
31 image markers.

Claims 20 and 21 (canceled)

1 Claim 22 (previously presented): The ultrasonic
2 diagnostic apparatus according to Claim 19, wherein the
3 display control means causes display of the auxiliary
4 image and a tomographic image corresponding to the
5 auxiliary image on the same screen.

1 Claim 23 (withdrawn): The ultrasonic diagnostic
2 apparatus according to Claim 19, further comprising
3 recording means for relating and recording the
4 tomographic image and the position information,
5 wherein the auxiliary image creating means can
6 create an auxiliary image indicating position information
7 of the tomographic image based on the position
8 information read from the recording means and the
9 tomographic image corresponding to the position
10 information.

1 Claim 24 (previously presented): The ultrasonic
2 diagnostic apparatus according to Claim 19, wherein:

3 the auxiliary image creating means creates plural
4 auxiliary images for indicating position information of
5 the tomographic images from different directions; and
6 the display control means causes display of the
7 auxiliary images on the same screen so as to compare
8 them.

1 Claim 25 (currently amended): The ultrasonic diagnostic
2 apparatus according to Claim ~~[[21]]~~ 19, wherein the
3 auxiliary image creating means creates the auxiliary
4 image by synthesizing the plural ultrasonic image markers
5 and a locus marker of the ultrasonic transducer, which is
6 created by sequentially connecting the ultrasonic image
7 markers.

1 Claim 26 (currently amended): The ultrasonic diagnostic
2 apparatus according to Claim ~~[[21]]~~ 19, wherein the
3 auxiliary image creating means superimposes a direction
4 marker indicating a specific direction of a corresponding
5 tomographic image on the ultrasonic image marker.

1 Claim 27 (withdrawn): The ultrasonic diagnostic
2 apparatus according to Claim 19, further comprising input
3 means instructing changing a mode of displaying the
4 tomographic image,

5 wherein the auxiliary image creating means creates
6 an auxiliary image having the ultrasonic image marker
7 displayed in a mode changed in connection with a change
8 in mode of displaying the tomographic images.

Claim 28 (canceled)

1 Claim 29 (currently amended): The ultrasonic diagnostic
2 apparatus according to Claim 19 ~~[[28]]~~, further
3 comprising input means instructing ~~[[changing]]~~ selecting
4 a tomographic image to be displayed among the plural
5 tomographic images recorded in the recording means,
6 wherein the auxiliary image creating means changes
7 the ultrasonic image marker to be displayed in a
8 different display form in connection with a ~~[[change-in]]~~
9 selection of the tomographic image to be displayed.

1 Claim 30 (previously presented): The ultrasonic
2 diagnostic apparatus according to Claim 19, wherein the
3 auxiliary image creating means creates the auxiliary
4 image including a marker indicating a coordinates system,
5 which is a reference for creating the ultrasonic image
6 markers.

1 Claim 31 (original): The ultrasonic diagnostic apparatus
2 according to Claim 30, further comprising input means
3 instructing changing a direction of displaying the
4 auxiliary image,
5 wherein the auxiliary image creating means changes a
6 direction of displaying the auxiliary image as well as
7 the marker indicating the coordinates system based on the
8 instruction from the input means.

1 Claim 32 (original): The ultrasonic diagnostic apparatus
2 according to Claim 19, wherein the position information
3 detecting means calculates the position information based
4 on a coordinates system with reference to a body to be
5 examined.